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(54) Title: MARKUP LANGUAGE-BASED, DYNAMIC PROCESS GRAPHICS IN A PROCESS PLANT USER INTERFACE
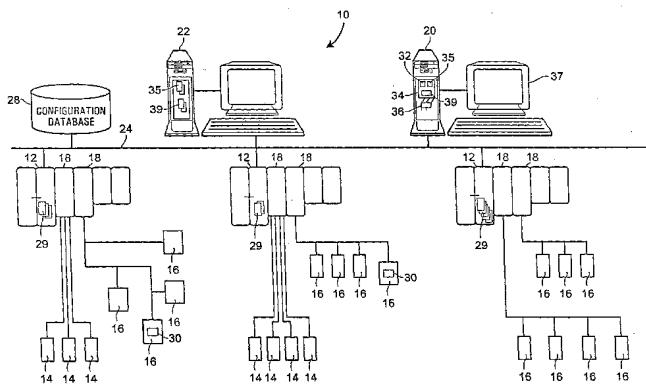
(57) Abstract: A user interface system for a process plant includes a graphic display editor to configure a process graphic display having a graphic display element representative of a process plant element of the process plant. The process graphic display is specified via configuration information set forth in a declarative language. A graphics rendering engine generates a depiction of the process graphic display during runtime based on commands derived from the configuration information set forth in the declarative language. The configuration information for the process graphic display may be stored as an object, which, for instance, may include first and second portions to define a graphical parameter and identify a data source, respectively. The graphical parameter may be directed to defining a graphical depiction of the process plant element and, to this end, may be set forth in a format in accordance with the declarative language. The data source may specify a location or path for data indicative of on-line operation of the process plant element to be displayed via the graphical depiction.

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